

5 é / Descriptions

SOT-23 .> / / xJ' PNP f â 'ož Silicon PNP Digital Transistor in a SOT-23 Plastic Package.

□ a / Features

Ä x ž â Š k • ĵ è — < k × 5 « ^ y ò - v i k —)í D }ož

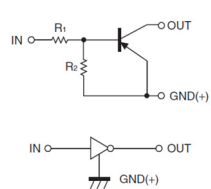
With built-in bias resistors, simplify circuit design, reduce a quantity of parts and manufacturing process,HF Product.

Đ ÷ / Applications

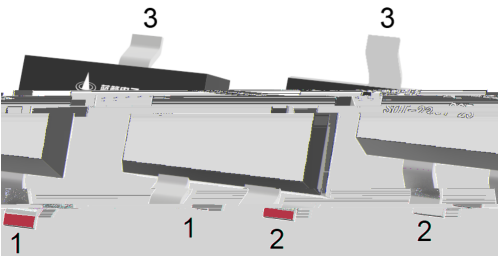
9 • ¼0• μ è Y C Ü è ož

Switching applications, interface circuit and driver circuit applications.

Ã W] Ô · / Equivalent Circuit



• Ů - æ / Pinning



PIN1 y IN PIN 2 y GND PIN 3 y OUT

Z Ü B , M V / hFE Classifications & Marking

Marking	H14
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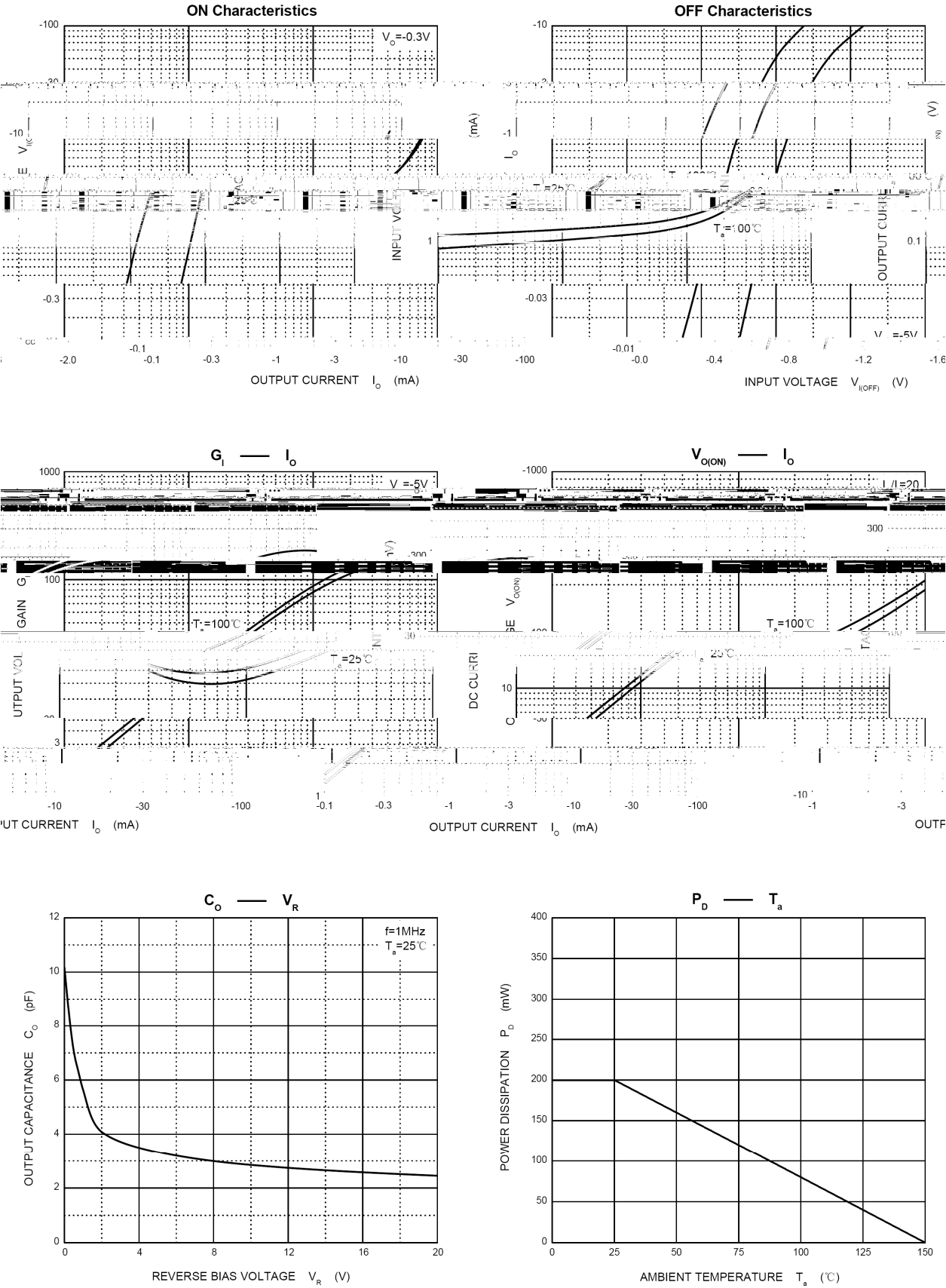
Ã a ? d / Absolute Maximum Ratings(Ta=25 ;)

@ f Parameter	... Z Symbol	f > Rating	% y Unit
Output Voltage	V _{CC}	-50	V
Input Voltage	V _{IN}	10	V
		-40	V
Output Current	I _O	-50	mA
Peak Collector Current	I _{CM}	-100	mA
Power Dissipation	P _D	200	mW
Junction Temperature	T _j	-55 150	
Storage Temperature Range	T _{stg}	-55 150	

Ô4ì × ? d / Electrical Characteristics(Ta=25 ;)

@ f Parameter	... Z Symbol	y i Ú ^ Test Conditions	Â 4 > Min	Á ° > Typ	Â Ý > Max	% y Unit
Input Voltage	V _{I(off)}	V _{CC} =-5.0V I _O =-100 A	-0.5			V
	V _{I(on)}	V _O =-0.3V I _O =-10mA			-3.0	V
Output Voltage	V _{O(on)}	I _O =-10 mA I _I =-0.5mA			-0.3	V
Input Current	I _I	V _I =-5.0V			-0.88	mA
Output Cut-off Current	I _{O(off)}	V _{CC} =-50V V _I =0V			-0.5	A
DC Current Gain	G _I	V _O =-5.0V I _O =-5.0mA	30			
Resistance1	R ₁		7	10	13	K
Resistance Ratio	R ₂ /R ₁		0.8	1.0	1.2	
Transition Frequency	f _T	V _O =-10V I _O =-5.0mA f=100MHz		250		MHz

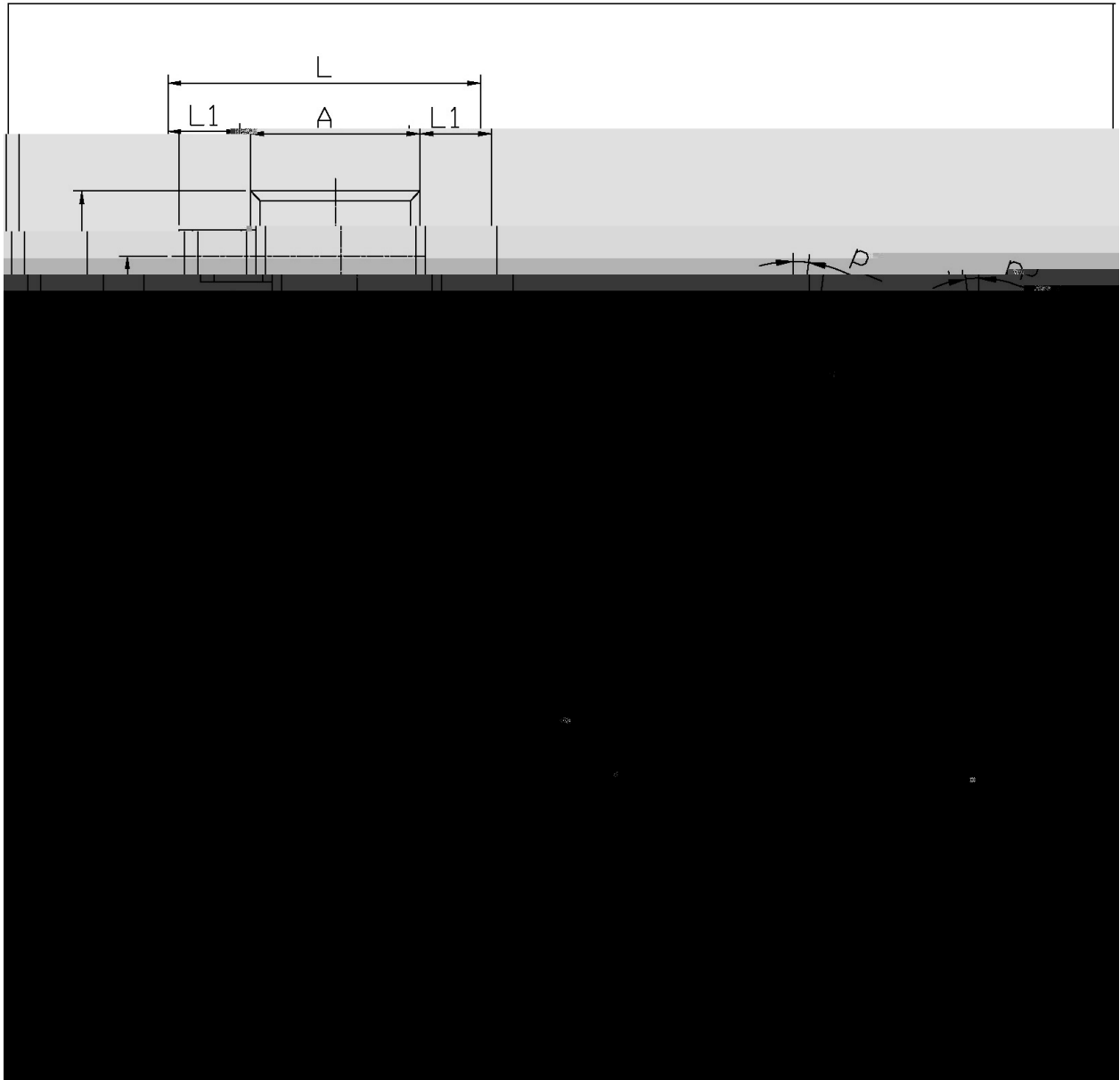
Electrical Characteristic Curve



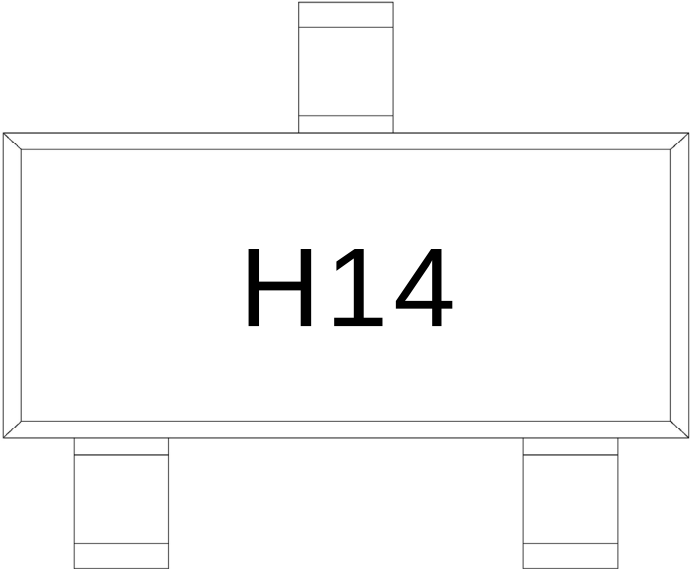
Ø □ =) ⌀ / Package Dimensions

SOT-23

单位: mm



, M y f / Marking Instructions



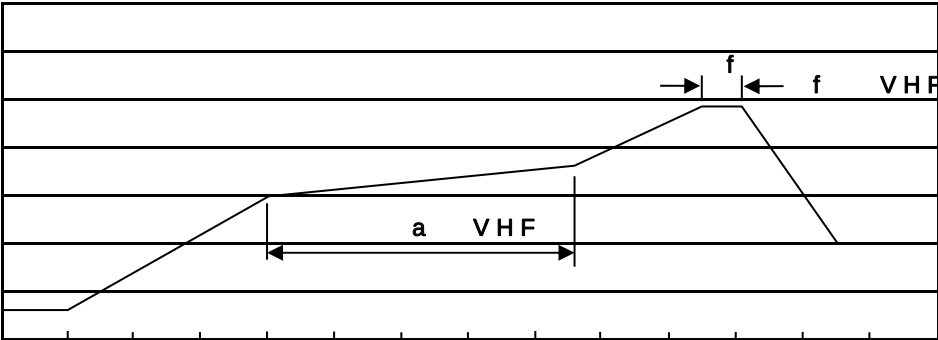
^a ¢ y
. y , [W A
14 y ° Z W A

Note:

. y Company Code
14 y Product Type Code

šWD t...•Žč (x/) / :KSVKXGZ[XK 6XULORK LUX /8 8KLRU] 9URJKXOTM 6

7HPSHUDWXUH



7LPH VHF

ačy

- 10•Ä½“† 150½180 - kž• 60½90sec;
- 20•Q>“† 245 r5 - kž•4 Ò 5 r0.5sec;
- 30•D Nò i Ò 0 ,† 2½10 - /sec.

Note:

- 1.Preheating:150~180 - , Time:60~90sec.
- 2.Peak Temp.:245 r5 - , Duration:5 r0.5sec.
- 3. Cooling Speed: 2~10 - /sec.

ÂD /Cã p ¯ »] / Resistance to Soldering Heat Test Conditions

“†y 260 r5 - ž•y 10 r1 sec. Temp.:260±5 Time:10±1 sec

G P á / Packaging SPEC.

2 & x / REEL

Package Type 7>û ~ E	Units ;>û H					Dimension ;>û p . (unit Åmm³)		
	Units/Reel /-	Reels/Inner Box -- /-	Units/Inner Box /-	Inner Boxes/Outer Box - /1ç	Units/Outer Box /1ç	Reel	Inner Box	Outer Boxç
SOT-23	3,000	10	30,000	6	180,000	7 T×8	180×120×180	390×385×205

„Đ y f / Notices